Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/30/2020 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123595	-2	1.65	123688	1.68
Blue	F	SSC	125000	122487	-3	1.89	123208	1.80
Blue	E	FITC	15892	15449	-3	2.82	335	20.19
Blue	D	PE	29999	29283	-3	1.94	638	15.26
Blue	B	PerCP-Cy5-5	43732	43431	-1	3.68	1165	20.53
Blue	A	PE-Cy7	30845	30801	-1	6.21	588	40.66
Red	C	APC	46112	45177	-3	2.51	1592	12.11
Red	A	APC-Cy7	30458	29516	-4	2.40	784	11.83
Violet	B	V450	7918	7549	-5	4.64	434	12.75
Violet	A	V500	32171	30860	-5	4.48	725	10.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16944	7.10	625	4	N/A	N/A	Pass
Blue	F	SSC	56309	1.32	562	3	N/A	N/A	Pass
Blue	E	FITC	59	67.07	545	2	0.0204	170	Pass
Blue	D	PE	134	48.89	551	3	0.1363	198	Pass
Blue	B	PerCP-Cy5-5	215	49.09	657	1	0.0088	24	Pass
Blue	A	PE-Cy7	109	100.12	700	2	0.0110	15	Pass
Red	C	APC	380	25.32	588	4	0.0247	163	Pass
Red	A	APC-Cy7	173	29.25	558	2	0.0058	1409	Pass
Violet	B	V450	65	57.53	460	2	0.0559	2100	Pass
Violet	A	V500	108	33.70	476	2	0.0246	877	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/30/2020 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.17	-32.48	0.98
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.98	13.60 - 20.40	N/A	N/A	29.68	30.36	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9650

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments